Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known			
				Application Number	10/522,027		
	INFORMATION DISC	LOS	SURE	Filing Date	1/21/2005		
1	STATEMENT BY API	PLIC	ANT	First Named Inventor	Shuji SUGENO		
1				Art Unit	2624		
1	(use as many sheets as ne	cessa	ry)	Examiner Name	Mia Thomas		
Sheet	1	of	1	Attorney Docket Number	1295.44668X00		

			U.S. PATENT	DOCUMENTS	
Examiner Initials'	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
, , , , ,		us-			
		US•			
		US-			
		US.			
		US-			-
		US-			
		US-			

		FOREIG	N PATENT DO	CUMENTS		
		Foreign Patent Document			Pages, Columns, Lines, Where Relevant	
Examiner initials'	Cite No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Passages or Relevant Figures Appear	τ°
/M.T./	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	JP 1153535	2/26/1999	FUJI PHOTO FILM CO LTD		Abs
						<u> </u>
					<u> </u>	<u> </u>

Examiner Signature	/Mia Thomas/	Date Considered	11/27/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved f U.S. Palent and Trademark O PTC/SB/08A (08-03) hrough 07/31/2008. OMB 0651-0031 .S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark O S. DEPARTMENT OF COMMERCE S. DEPARTMENT OF COMMERCE Under the Paperwork Redaction Act of 1995. Separation per persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(iico ne manu choote ne noroecaru)

of

Application Number 10/522,027
Filing Date January 21, 2005
First Named Inventor Shuji SUGENO et al.
Art Unit 2524
Examiner Name Mia M. Thomas
Attorney Docket Number 1295,44668X00

			U.S. PATENT	DOCUMENTS	
Examiner Initials'	Cite No.1	Document Number  Number-Kind Code <sup>8</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/M.T./		US- 2002/0047911 A1	4/25/2002	Tsuchiya et al.	
/M.T./		US- 2001/0038716	11/08/2001	Tsuchiya et al.	
		US-			
		· US-			
		US-			
		US-			•
		US-			

		FOREIC	N PATENT DO	UMENTS		
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>4</sup> (If known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1
/M.T./		WO 2004/010379 A1	1/29/2004	PCT		
		10-49669	2/20/1998	JAPAN		
$oldsymbol{V}$		9-182093	7/11/1997	JAPAN		

Examiner Signature	/Mia Thomas/	Date 11/27/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 8 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (04-03)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Tradema

Inder the Paperwork Rediction Act of 199 sons are required to respond to a collection of information displays a valid OMB control number. Substitute for form 1449/PTO Complete if Known **Application Number** 10/522,027 INFORMATION DISCLOSURE Filing Date January 21, 2005 STATEMENT BY APPLICANT First Named Inventor Shuji SUGENO et al. 2624 Group Art Unit (use as many sheets as necessary) Mia M. Thomas **Examiner Name** 1295.44668X00 Sheet Attorney Docket Number

Examiner	aminer Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),							
Initials*	No.	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s).						
/M.T./		oublisher, city and/or country where published. IEEE International Symp. On Circuit and Systems, 1988 7-9 June 1988, pp. 2561-2564, Vol. 3						
	ļ							
•			-					
			+-					
<del></del>			+					
			+					
			+					
	<u> </u>		+					
	1		<u> </u>					
	-		+					
			+					
······································	1		+					

Examiner Date 44/07/06	1
Chairmer   /Min Thomas   14/07/06	.7
Signature / Mia Thomas/ Considered   11/27/20	·/
Signature / /Wild F10/1/dS/ Considered   11/21/20	<u>,                                      </u>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered, include copy of this form with next communication to applicant.

Applicant: a hopicant is unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37. CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## 10/522027 DT15 Rec'd PCT/PTO 2 1 JAN 2003

PTO/SB/08A (08-03)

Approved for rough 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office. S. DEPARTMENT OF COMMERCE

	e for form 1449A/PTO			required to respond to a collection of information unless it contains a valid OMB control number Complete If Known			
_				Application Number			
1	INFORMATION D	ISCLOS	URE	Filing Date	January 21, 2005		
	STATEMENT BY	APPLIC/	ANT	First Named Inventor	Shuji SUGENO et al.		
				Art Unit	2624		
	files se many chaste	se narocean	1	Examiner Name	Mia M. Thomas		
Sheet	1	of	2	Attorney Docket Number	1295.44668X00		

			U.S. PATENT I	DOCUMENTS		
Examiner Cite Initials' No.1		Document Number  Number-Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
M.T./		US- 2002/0047911 A1	4/25/2002	Tsuchiya et al.		
M.T./		US- 2001/0038716	11/08/2001	Tsuchiya et al.		
		US-				
		us-				
		us.				
		us-				
		us.				
		US-				
		us.				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-		<u> </u>		
		us-				
		US-				

	FOREIGN PATENT DOCUMENTS									
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code 3-Number - Kind Code 6 (if known)	Publication Date  MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	۳٥				
<u>/M.</u> T./		WO 2004/010379 A1	1/29/2004	PCT						
Ц		10-49669	2/20/1998	JAPAN						
<b>V</b>		9-182093	7/11/1997	JAPAN						
[			<u> </u>							

Examiner Signature	/Mia Thomas/	 Date Considered	11/27/2007
		 Solisidered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

10/522027 DT15 Rec'd PCT/PTO 21 JAN 2005 Approved the through 10/31/2002. OMB 0551-0031 Trademac U.S. DEPARTMENT OF COMMERCE

Under th	ne Paperwork Reduc	tion Act of 1995.	no persons are required	App U.S. Patent and Trade I to respond to a collection of information	rover se through 10/31/2002. OMB 065 email U.S. DEPARTMENT OF COMM on unit displays a valid OMB control number.	
Substitute for form 1449/PTO				Complete if Known		
				Application Number		
INFO	RMATIO	N DISC	LOSURE	Filing Date	January 21, 2005	
STATEMENT BY APPLICANT				First Named Inventor	Shuji SUGENO et al.	
				Group Art Unit	2624	
(use as many sheets as necessary)				Examiner Name	Mia M. Thomas	
Sheet	2	of	2	Attorney Docket Number	1295.44668X00	

Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	Τ²
/M.T./		publisher, city and/or country where published.  IEEE International Symp. On Circuit and Systems, 1988 7-9 June 1988, pp. 2561-2564, Vol. 3	
			1
			T
			1
			1
	1		$\dagger$
			1
•			
			T
			+

Examiner 1		Date 11/27/2007	
	/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Date   11/7/17(11)	
Signature	l /Mia Thomas/	[ 0 [ 11/21/2001	
SIGNORAL	TIVILA TITOTILASI	Considered	

\*\*CXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). \*\*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.